10/594609

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

BRIAND et al.

AP5 Rec'd PCT/PTO 28 SEP 2006

Serial No.:

Dicti in the ci un

Group Art Unit: Unknown

Filed:

Unknown Herewith

Docket:

20010.0008USWO

Title:

USE OF ULVANS AS ELICITORS OF MECHANISMS FOR

NITROGEN ABSORPTION AND PROTEIN SYNTHESIS

CERTIFICATE UNDER 37 CFR 1.10

Express Mail mailing label number: EV 858800355 US

Date of Deposit: September 28, 2006

I hereby certify that the papers listed below are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR. I.10 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 185_A/ckandfit, VA 22313-1450.

By: Min Factor Name: Abbie Larkin

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner. Copies of any foreign patent documents or "Other Documents" are enclosed. Please note that the references listed on the Form 1449 were cited in an International Search Report dated August 16, 2005. A copy is enclosed.

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

\boxtimes	(1) within three (3) months of the Filing Date, before the mailing date of a Fir						
	Office Action on the merits, or before the mailing date of a First Office						
	Action on the merits after the filing of a request for continued examination						
	under 37 C.F.R. §1.114; or						

(2) after the period defined in (1) but before the mailing date of a Final	
Rejection or Notice of Allowance, and	

the requisite Statement is below, OR

Receipt date: 09/28/2006

IAP5 Rec'd PCT/PTO 28 SEP 2006 the requisite fee of \$180.00 under Rule 1.17(p) is included he (3) after the mailing date of a Final Rejection or Notice of Allowance but on or before the payment of the Issue Fee, AND the requisite Statement is below, AND the requisite fee of \$180.00 under Rule 1.17(p) is included herein. STATEMENT As required under §1.97(e), Applicants hereby state either that: Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or

No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

If this box is checked, Applicant provides the following:

Certification Under 37 C.F.R. §1.704(d)

In accordance with 37 C.F.R. §1.704(d), the undersigned hereby certifies that each item listed on the enclosed Form 1449 was first cited in a communication from a foreign patent office in a counterpart application, and that this communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty (30) days prior to the filing of this Information Disclosure Statement.

The Examiner is hereby advised of the following co-pending U.S. applications. A copy of each U.S. patent application publication (if published) or application (if not published) is enclosed.

Application No.

Filing Date

Group

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Receipt date: 09/28/2006 107594 609¹⁷⁹³

IAP5 Rec'd PCT/PTO 28 SEP 2006

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

FEE AUTHORIZATION

Should any fee associated with the submission of this paper not be attached hereto as a check, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 50-3478. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,

HAMRE, SCHUMANN, MUELLER &

LARSON, P.C. Post Office Box 2902

Minneapolis, MN 55402-0902

(612) 455-3800

Dated: September 28, 2006

DPM:rkw

Receipt date: 09/28/2006

Date: September 28, 2006

IAP5 Rec'd PCTAPTO 28 SEP 20083

FORM 1449* INFORMATION DISCLOSURE STATEMENT

Docket Number: 20010.0008USWO Application June 5 9 4 6 0 9

IN AN APPLICATION
(Use several sheets if necessary)

Applicant: BRIAND et al. Filing Date: herewith

Group Art Unit:: unknown

		U.	S. PATENT DOCUMEN	TS				
EXAMINER INITIAL	DOCUMENT NO	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	1	FORI	EIGN PATENT DOCUM	IENTS				
	DOCUMENT NO	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
	EP 1 437 334	July 2004	EPO					
	ОТН	ER DOCUMENTS	(Including Author, Title,	Date, Pertinent I	Pages, Etc.)			
	Interna	tional Search Report	for International Applica	tion No. PCT/FI	R2005/000764 date	d August 16,	2005	
		B1 et al., "STUDIES OF AQUEOUS EXTRACTS OF THREE GREEN ALGAE AS AN ELICITOR OF PLANT DEFENCE MECHANISM" Pak. J. Bot., Vol 13, No. 1 pp. 193-198 (1999)						
	RAY et al. "CELL-WALL POLYSACCHARIDES FROM THE MARINE GREEN ALGA ULVA "RIGIDA" (ULVALES, CHLOROPHYTA). EXTRACTION AND CHEMICAL COMPOSITION" Carbohydrate Research							
	Vol. 2	Vol. 274 pp. 251-261 (1995)						
	"RIGI	RAY et al. "CELL-WALL POLYSACCHARIDES FROM THE MARINE GREEN ALGA <i>ULVA</i> "RIGIDA" (ULVALES, CHLOROPHYTA). CHEMICAL STRUCTURE OF ULVAN" Carbohydraie Research						
	LAHA "RIGI	Vol 274 pp.313-318 (1995) LAHAYE et al. "CELL-WALL POLYSACCHARIDES FROM THE MARINE GREEN ALGA ULVA "RIGIDA" (ULVALES, CHLOROPHYTA) NMR ANALYSIS OF ULVAN OLIGOSACCHARIDES" Carbohydrate Research Vol. 283 pp 161-173						
	COUP	QUEMENER et al. "SUGAR DETERMINATION IN ULVANS BY A CHEMICAL-ENZYMATIC METHOD COUPLED TO HIGH PERFORMANCE ANION EXCHANGE CHROMATOGRAPHY" Journal of Applied Phycology Vol.9 pp 179-188						
	Databa	LOPEZ-MOSQUERA et al. "EFFECTS OF SEAWEED ON POTATO VIELDS AND SOIL CHEMISTRY" Database accession no. PREV 19979973675 and "BIOLOGICAL AGRICULTURE AND HORTICULTURE" Vol. 14 No.3 pp. 199-209 (1997)						
		52835						

examiner /Syed lqbal/	DATE CONSIDERED 08/25/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.